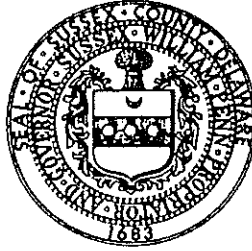


Sussex County
Engineering Department

Robert W. Wood, P.E.
Sussex County Engineer



COURTHOUSE ANNEX
P.O. BOX 589
GEORGETOWN, DELAWARE 19947

PHONES

Engineering Dept.	302-855-7718
Planning & Permits Div.	302-855-7719
Public Works Div.	302-855-7703
Utility Construction Div.	302-855-7717
Operations & Maintenance Div.	302-855-7730

Fax: 302-855-7799

August 8, 1994

Mr. Danny Williamson
Route 5 Box 1C
Blades DE 19973

REF: BLADES SANITARY SEWER DISTRICT
OPERATIONS AND MAINTENANCE
DISCHARGE PERMIT NO. BL-94001

Dear Mr. Williamson:

Enclosed please find the renewed industrial discharge permit for Peninsula Plating, Inc., located on River Road in the Blades Sanitary Sewer District. This permit supersedes Industrial Wastewater Contribution Permit No. BL-92001, which was issued to Old Brass Works/Danny Williamson on August 10, 1992. This permit has been developed in accordance with the Code of Sussex County, the United States Environmental Protection Agency's "Effluent Guidelines for the Electroplating Industry," as published in 40 CFR, Parts 136, 403, and 433, and the agreement between the City of Seaford and the Sussex County Council, dated June 29, 1977.

Please note that the agreement outlines the method for sewer usage charges. Two charges are involved. Both are based on explanations and definitions contained in the Code of Sussex County. The quarterly service charge will be billed on an approximate usage of 500 gallons per day (gpd) (an estimate provided by you.) The Code defines an equivalent dwelling unit (EDU) as producing 300 gpd of wastewater. Using your estimate, your assessment will be 1.67 EDUs. The front foot assessment charge, to be billed annually, is essentially based on the assessable front footage of the property with an adjustment for multiple EDUs.

If you should have any questions, please feel free to contact me.

Sincerely,

SUSSEX COUNTY ENGINEERING DEPARTMENT

RW Wood

for Russell W. Archut
Director of Planning and Permits

xc: The Honorable Dale R. Dukes w/o enclosure
Mr. Robert L. Stickels w/o enclosure
Mr. Robert W. Wood, P.E. w/o enclosure
Mr. Anthony DiGiuseppe with enclosure
Ms. Heather Sheridan w/o enclosure
Mr. Paul Janiga with enclosure
Mrs. Delores Slatcher with enclosure

PERMIT NO. BL-94001

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SUSSEX COUNTY COUNCIL

POST OFFICE BOX 589

GEORGETOWN, DELAWARE 19947

INDUSTRIAL WASTEWATER CONTRIBUTION PERMIT

In accordance with the provisions of the "Code of Sussex County," Chapter 110, Part 1, Sewer Use,

Peninsula Plating, Inc.

Rt. 5 Box 1C, River Road

Blades DE 19973

is granted permission to discharge wastewater to the Blades Sanitary Sewer District at the location designated as:

Peninsula Plating, Inc.

Rt. 5 Box 1C

Blades, DE 19973

Tax Map 1-32-1.15 (16)

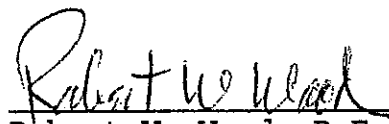
subject to the permit conditions established.

Effective Date: August 10, 1994

Expiration Date: June 29, 1997

*Changes may be necessary before the expiration date due to changes in Federal, State, or County regulations or the agreement between the County Council and the City of Seaford.

Signed:


Robert W. Wood, P.E.
Sussex County Engineer
Sussex County, Delaware

NOTE: This permit supersedes Industrial Wastewater Contribution Permit No. BL-92001, issued to Old Brass Works/Danny Williamson on August 10, 1992.

PERMIT NO. BL-94001

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PERMIT CONDITIONSGeneral

1. The named permit holder shall be expressly subject to all provisions of the "Code of Sussex County, Chapter 110, Part 1" and all other regulations established by the Sussex County Council.
2. The permit holder will be responsible for all user charges and fees, as outlined in the "Code of Sussex County," Chapter 110, and any other fees or charges as established by the Sussex County Council.
3. This wastewater discharge permit is issued in the name of the permit holder and shall not be reassigned or transferred or sold to a new owner, new user, different premises, or a new or changed operation without the prior approval of the Sussex County Council.
4. The permit holder shall report to the Sussex County Engineer any changes (permanent or temporary) to the premises or operations that significantly change the quantity or quality of the wastewater discharge, described in the wastewater discharge permit application submitted by the permit holder, or deviate from the terms and conditions under which this permit is granted. The Sussex County Engineer shall be informed by telephone within 24 hours of the change and shall be confirmed in writing within 10 days of the change.

Note: This requirement includes notification of the Sussex County Engineering Department (SCED) when new plating operations are implemented.

5. The permittee must comply with all conditions of this permit. Any permit noncompliance constitutes a violation of the Clean Water Act and Title 7, Section 6033, Delaware Code Annotated and is grounds for enforcement action; for permit termination and revocation and reissuance or modification; or denial of a permit renewal application.
6. The permittee must comply with the monitoring and reporting requirements of the general pretreatment regulations, 40 CFR, Part 403.
7. The permit holder may submit semi-annual certification statements of no dumping of solvents in lieu of Total Toxic Organics (TTO) monitoring. Each semi-annual report must be signed by a responsible corporate officer of the company or manager responsible for the overall plant operation and submitted in accordance with 40 CFR 403.12(e).

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8. Within 45 days of initiating plating operation, the permittee shall submit a solvent management plan to the County for approval. The solvent management plan shall specify to the Sussex County Engineer's satisfaction the toxic organic compounds used; the method of disposal used instead of dumping, such as reclamation, contract hauling or incineration; and procedures for assuring that toxic organics do not spill or leak into the wastewater.
9. The permittee shall notify the Sussex County Engineer when plating operations and wastewater discharge begin.

Effluent Limitations

Effluent limitations shall be in accordance with the requirements of the "Code of Sussex County," or the U. S. Environmental Protection Agency (EPA) Effluent Guidelines for the Electroplating Industry, as published in 40 CFR, Part 433.

<u>Pollutant or Pollutant Property</u>	Max. For Any <u>Day</u> (mg/l)	Monthly Average <u>Shall Not Exceed</u> (mg/l)
Cadmium (T)	0.11	0.07
Chromium (T)	2.77	1.71
Copper (T)	3.38	2.07
Lead (T)	0.69	0.43
Nickel (T)	3.98	2.38
Cyanide (T)	1.20	0.65
Zinc (T)	2.61	1.48
Silver (T)	.43	.24
TTO	2.13	---

Source: 40 CFR, Section 433.17

<u>Pollutant or Pollutant Property</u>	Max. For Any <u>Day</u> (mg/l)	Monthly Average <u>Shall Not Exceed</u> (mg/l)
Biochemical Oxygen Demand (BOD)	300	200
Total Suspended Solids (TSS)	300	240
Maximum Temperature	100°F	
pH	must be maintained between 5.5 and 9.5 units	

Source: "Code of Sussex County" and City of
Seaford Agreement.

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General Prohibition

The permittee shall never increase the use of process water or in any way attempt to dilute a discharge as a partial or complete substitute for adequate treatment to achieve compliance with the limitations contained in the "Federal Categorical Pretreatment Standards" or in any other pollutant-specific limitation developed by the County or State.

Monitoring Requirements

The permitted discharge shall be monitored by the permit holder in compliance with the following schedule:

<u>Effluent Constituent</u>	<u>Monitoring Requirement</u>	
	<u>Measurement Frequency</u>	<u>Sample Type</u>
Temperature & Cyanide	One per month	Grab
Cadmium ¹ , Chromium ^{1, 7} , Copper ¹ , Lead ¹ , Nickel ^{1, 2} , Silver ^{1, 3} , & Zinc ^{1, 6}	One per month	(See Note 5)
BOD, TSS & pH	One per month	Grab by SCED
BOD & TSS	One per year	8-hour composite
TTO	One semiannually	Grab

(This does not preclude the SCED taking unannounced samples in addition to those taken by the permittee.)

The permittee may petition the County for a reduction in monitoring frequency after six months of operation.

Notes:

- (1) Sampling shall be taken on a day when these substances are likely to be present in their maximum concentration, including spent chromating tank and other periodic discharges to the sanitary sewer.
- (2) Sampling for nickel shall be done on a day when nickel plating wastewaters are discharged to the sanitary sewer and nickel is expected to be present in its maximum concentration.

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- (3) Sampling for silver shall be done on a day when silver plating wastewaters are discharged to the sanitary sewer and silver is expected to be present at its maximum concentration.
- (4) Monitoring for cyanide must be conducted before dilution with other waste streams, and when cyanide is expected to be present at its maximum concentration.
- (5) Flow proportional composite sample over daily duration of discharge. The SCED may waive this requirement if permittee demonstrates that flow-proportional sampling is infeasible. If the flow-proportional composite requirement is waived an 8-hour composite sample must be substituted.
- (6) Sampling for zinc shall be done on a day when zinc plating wastewaters are discharged to the sanitary sewer and zinc is expected to be present at its maximum concentration.
- (7) Sampling for chrome shall be done on a day when chrome plating wastewaters are discharged to the sanitary sewer and chrome is expected to be present at its maximum concentration.

Other Monitoring Requirements

- (1) Implementation of an approved toxic organic management plan and submission of semiannual certification statement as specified by 40 CFR 433.12 may be used in lieu of monitoring for TTO. The County reserves the right to require the permittee to monitor for TTO to determine compliance with the TTO standard at any time.
- (2) All analyses be performed in accordance with EPA approved analyses methods (40 CFR, Part 136) by an independent testing firm.

Periodic Discharge Reports

A discharge report containing the results of the monitoring program shall be filed with the County Engineer by the second Tuesday of each month. Additional information to be included in each report is as follows:

Monthly average water consumption